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RAPID AIR DEFENSE EVALUATION SYSTEM
(RAIDES)

TRAINING COURSE / CURRICULUM OUTLINE

AD-A220 396

Prepared For:

Department of the Army
Joint Tactical Fusion Program
1500 Planning Research Drive
McLean, VA 22102-5099

Contract Number:
FG154688D0003

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ELECTED
APR 11 1990
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90 04 10 067

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED	1b. RESTRICTIVE MARKINGS NA											
2a. SECURITY CLASSIFICATION AUTHORITY NA	3. DISTRIBUTION/AVAILABILITY OF REPORT UNLIMITED											
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE NA												
4. PERFORMING ORGANIZATION REPORT NUMBER(S) NA	5. MONITORING ORGANIZATION REPORT NUMBER(S) NA											
6a. NAME OF PERFORMING ORGANIZATION SYSTEMS CONTROL TECHNOLOGY, INC MISSION EFFECTIVENESS DEPARTMENT	6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION HQ USAFE/DIRECTORATE OF OPERATIONS ANALYSIS										
6c. ADDRESS (City, State, and ZIP Code) 2300 GENG ROAD PALO ALTO CA 94303-0888		7b. ADDRESS (City, State, and ZIP Code) HQ USAFE/DOA APO NY 09094-5001										
8a. NAME OF FUNDING/SPONSORING ORGANIZATION DEPARTMENT OF THE ARMY	8b. OFFICE SYMBOL (If applicable) JTF-PMO	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER FG154688D0003										
8c. ADDRESS (City, State, and ZIP Code) 1500 PLANNING RESEARCH DRIVE MCLEAN VA 22102-5099		10. SOURCE OF FUNDING NUMBERS <table border="1"> <tr> <td>PROGRAM ELEMENT NO.</td> <td>PROJECT NO.</td> <td>TASK NO.</td> <td>WORK UNIT ACCESSION NO.</td> </tr> </table>	PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.	WORK UNIT ACCESSION NO.						
PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.	WORK UNIT ACCESSION NO.									
11. TITLE (Include Security Classification) RAPID AIR DEFENSE EVALUATION SYSTEM (RAIDES) TRAINING COURSE/CURRICULUM OUTLINE												
12. PERSONAL AUTHOR(S)												
13a. TYPE OF REPORT FINAL	13b. TIME COVERED FROM 870915 TO 891001	14. DATE OF REPORT (Year, Month, Day) UNDATED	15. PAGE COUNT 5									
16. SUPPLEMENTARY NOTATION												
17. COSATI CODES <table border="1"> <tr> <th>FIELD</th> <th>GROUP</th> <th>SUB-GROUP</th> </tr> <tr> <td>15</td> <td>03</td> <td></td> </tr> <tr> <td>01</td> <td>03</td> <td>01</td> </tr> </table>		FIELD	GROUP	SUB-GROUP	15	03		01	03	01	18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number) AUTOMATED PLANNING SYSTEM	
FIELD	GROUP	SUB-GROUP										
15	03											
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19. ABSTRACT (Continue on reverse if necessary and identify by block number) This document was developed as a training/curriculum outline manual for the US Army's Rapid Air Defense Evaluation System (RAIDES). There are five manuals for RAIDES. RAIDES was developed by Systems Control Technology, Inc, Palo Alto, CA for the Joint Tactical Fusion Program Management Office (JTFPMO). RAIDES is a derivative of USAFE's Force Level Automated Planing System (FLAPS) and was extensively modified to incorporate a Blue versus Red situation display for the US Army air defenders. The RAIDES program consists of two major stand-alone software programs: the SUPR program which defines a 3-D real-world statespace area where the US Army air defenders would operate; and RAIDES which provides Blue survivability estimates for Red attacking forces given a specific battlefield scenario and real-world threat. This manual compliments the RAIDES Student Training Course Guide and Positional Handbook that are used with the JTFPMO's Portable Analyst Workstation (PAWS) and is intended to help the instructor/students to plan a RAIDES training course and to make arrangements to properly conduct a training class. Individuals to be trained should be air defenders or those individuals interested in air defense deployment.												
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input type="checkbox"/> UNCLASSIFIED/UNLIMITED <input checked="" type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS		21. ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED										
22a. NAME OF RESPONSIBLE INDIVIDUAL JACK L. WINGER		22b. TELEPHONE (Include Area Code) 496371-47-6911	22c. OFFICE SYMBOL HQ USAFE/DOA									

FORWARD

This Training/Curriculum Outline is intended to help the instructor and sponsors of the Rapid Air Defense Evaluation System (RAIDES) Training Course to plan the course and make sufficient arrangements to properly conduct the class. The RAIDES program is a air defense deployment evaluation system, which is designed to aid in the asset deployment decision making process.

COURSE DATA

Course Objective

The individuals to be trained should be air defenders, or those interested in air defense deployment. Normally, these individuals will be army corpsmen who will be using the program in the field.

Physical Requirements

There are no special physical requirements to operate the program.

Security Clearance

The program software is unclassified, however in the field, it operates on databases classified to the NATO SECRET level.

Prerequisite Training

No special prerequisite training is required.

Instructional Materials

To conduct this course the following materials are required:

- 1 set of Instructor/Lesson Guides,
- 1 set of accompanying 35mm slides,
- 1 set of overhead viewgraphs,
- 1 Student's Training Course Guide for each student,
- 1 PAWS hardware suite for each 3 students, equipped with RAIDES and an unclassified demonstration scenario,
- 1 Positional Handbook for each PAWS suite,
- 1 Overhead Viewgraph projector, and
- 1 35mm slide projector.

Also, a blackboard or other means of drawing figures visible to students during classroom instruction is recommended.

OUTLINE OF INSTRUCTION SUMMARY

<u>Unit</u>		<u>Classroom</u>	<u>Application</u>	<u>Total</u>
I	INTRODUCTION TO RAIDES	1	2	3
II	GETTING STARTED IN RAIDES	1	1	2
III	USING THE DATABASE MANAGER	.75	1.25	2
IV	THE RAIDES DISPLAY	.75	1.25	2
V	REDEPLOYING ASSETS WITH RAIDES	1	2	3
VI	CREATING MINIMUM RISK ROUTES	.5	.5	1
VII	MODIFYING ROUTES WITH RAIDES	.5	1.5	2
VIII	OBSERVING MULTIPLE ROUTE COORDINATION	.5	.5	1
IX	STATESPACE GENERATION	.5	.5	1
		—	—	—
	TOTAL	6.5	10.5	17
		<u>Hours</u>	<u>Percent of Total</u>	
	Classroom	6.5	38%	
	Practical Application	10.5	62%	
	—	—	—	
	TOTAL	17	100%	

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		<u>Classroom</u>	<u>Application</u>	<u>Total</u>
I.	INTRODUCTION TO RAIDES	1		3
A.	Overview			
B.	RAIDES Functions			
C.	Summary			
D.	Application		2	
II.	GETTING STARTED IN RAIDES	1		2
A.	Overview			
B.	Hardware Suite & Logon Procedures			
C.	Popup Menu Operation			
D.	Text Menu Operation			
E.	Summary			
F.	Application		1	
III.	USING THE DATABASE MANAGER	.75		2
A.	Overview			
B.	Database Structure			
C.	Database Functions			
D.	Report Generator			
E.	Summary			
F.	Application		1.25	

		<u>Classroom</u>	<u>Application</u>	<u>Total</u>
IV.	THE RAIDES DISPLAY	.75		2
A.	Overview			
B.	Graphics Displays			
C.	Map Displays			
D.	Summary			
E.	Application		1.25	
V.	REDEPLOYING ASSETS WITH RAIDES	1		4
A.	Overview			
B.	Modify			
C.	What If			
D.	Summary			
E.	Application		2	
VI.	CREATING MINIMUM RISK ROUTES WITH RAIDES	.5		1
A.	Overview			
B.	Tasking Input			
C.	Creating Routes			
D.	Outputting Routes			
E.	Summary			
F.	Application		.5	

		<u>Classroom</u>	<u>Application</u>	<u>Total</u>
VII.	MODIFYING ROUTES WITH RAIDES	.5		2
A.	Overview			
B.	Getting In to Manual			
C.	Manual Functions			
D.	Summary			
E.	Application		1.5	
VIII.	OBSERVING MULTIPLE ROUTE COORDINATION	.5		1
A.	Overview			
B.	Getting In to Time Phase			
C.	Time Phase Functions			
D.	Summary			
E.	Application		.5	
IX	CREATING AND UPDATING A STATESPACE	.5		.5
A.	Overview			
B.	Input Threat Data			
C.	Threat Processing			
D.	Statespace Purging			
E.	Summary			
F.	Application		.5	